

Proshin, A.S.

ZHERMUNSKIY, B.I., kandidat tekhnicheskikh nauk.; PROSHIN, A.S., inzhener.

Using new types of semigantry cranes in building electric power plants. Mekh. trud. rab. 11 no.2:32-34 F '57. (MIRA 10:5)

1. Donbass energomontazh.
(Hydroelectric power station) (Cranes, derricks, etc.)

ZHERMUNSKIY, B.I., kand.tekhn.nauk; PROSHIN, A.S., inzh.

Braking conditions of carriage cranes used for assembling. Elek.sta. 28
no.12:64 D '57. (MIRA 12:3)
(Cranes, derricks, etc.)

PROSHIN, A.S.

ZHERMUNSKIY, B.I., kandidat tekhnicheskikh nauk; PROSHIN, A.S., inzhener.

New method of erecting L-shaped cranes. Elek.sta. 28 no.1:69
Ja '57. (MLRA 10:3)

(Cranes, derricks, etc)

PROSHIN, A.S., inzh.

Mechanizing construction of thermoelectric power plants. Mekh.
stroil. 15 no.11:14-19 N '58. (MIRA 11:12)
(Electric power plants) (Cranes, derricks, etc.)

PROSHIN, A.S., inzh.

Modernization of heavy tower cranes. Elek.sta. 30 no.1:79-81

Ja '59.

(MIRA 12:3)

(Cranes, derricks, etc.)

767. ORGANIZATION OF CRECTION OF TP-230-B BOILERS. Franklin, A.B. and
Simulovich, M.L. (Elektr. Sta. (Pwr. Sta., Moscow), Sept. 1956, vol. 27, 21-25). 2
This is the current type of Soviet 230 tons/h boiler made in 61 sections. The
arrangement for assembling the sections near the site and erecting the boiler is
described with drawings, tables of weights and work tables. Assembly of the
sections is shown as taking 1736 man-days in 35 working days, and erection of
the boiler 8021 man-days in 50 days. Improvements are suggested which would
reduce the erection time to 30-35 days. (L).

PROSHIN, A.S., inzhener; SHMULEVICH, M.L., inzhener.

Installation of TP-230-B shop-assembled boilers. Elek.sta. 27 no.9:
21-25 S '56. (MLRA 9:11)

(Boilers)

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S/109/60/005/07/002/024
E140/E163

AUTHOR: Prosin, A.V.

TITLE: On the Theory of Cross-Distortion with Long-Distance Tropospheric UHF-Propagation

PERIODICAL: Radiotekhnika i elektronika, Vol 5, No 7, 1960, pp 1052-1064 (USSR)

ABSTRACT: The article employs correlation theory (based on results of the well-known book 'Threshold signals', Ref 2) to calculate the cross-modulation inter-channel noise in long-distance communications systems using frequency modulation and frequency separation of channels, arising through interaction at the reception point of the constant and scattered fields. It is assumed, as is common in the literature, that the deviation of dielectric permittivity from its mean value is subject to a normal probability distribution. Two limiting cases are considered: small γ and large γ , where $\gamma = V_c^2/V_s^2$, V_c is the attenuation factor for the field intensity of the constant component, V_s is the attenuation factor for the field intensity of the scattered component. A series of simplifying assumptions is made:
1) Time variation of inhomogeneity occurs only through turbulence.

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On the Theory of Cross-Distortion with Long-Distance
Tropospheric UHF-Propagation

2. Correlation is observed between permittivity pulsations at points closer than the mean size of a turbulent inhomogeneity.
3. The relative delay times of elementary rays scattered by some inhomogeneity, due to the small dimensions of the turbulent inhomogeneity of the air permittivity, are equal to each other, and the cross-correlation terms of the cross-distortion caused by these rays is equal to zero.
4. In the limits of a given turbulent inhomogeneity the principal distances and antenna gains entering into the equations are approximately equal.

The result of the calculation is expression (22), whose first component represents in general form the dependence of cross-channel noise on the statistical characteristics of the troposphere, the parameters of the multi-channel message and the characteristics of the long-distance communication system. An illustrative calculation is given in which the cross-modulation noise power is found for the case where the intensity of the constant field component is appreciably greater than the scattered

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E140/E163

On the Theory of Cross-Distortion with Long-Distance
Tropospheric UHF-Propagation

component, as frequently occurs in the presence of super-refraction or the formation of strong reflecting layers in the troposphere. The antenna axis is taken horizontal. It is found that when certain inequalities are satisfied (in the original article these inequalities are given on p 1061, directly under Fig 3), relating the delay times of the constant and scattered components and the antenna vertical directional pattern and the half-scatter angle, the method of calculation given in Ref 1 for 2-ray propagation may be used. Almost all cases of practical interest satisfy these inequalities according to the author. It is found that with constant-height of the reflecting layer and given antenna directivity there exists an optimal distance between the transmitter and receiver for which the inter-channel noise power will be a minimum. The inter-channel noise power increases with increase of antenna directivity. The statistical characteristics of a turbulent troposphere influence the magnitudes of inter-channel noise differently in the model studied here and in pure scatter propagation. With increase of

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E140/E163

On the Theory of Cross-Distortion with Long-Distance
Tropospheric UHF-Propagation

the number of channels, the relative delay of the constant intensity ray, and the ratio $(V_s/V_c)^2$ the cross-modulation noise power increases. For more than 120 channels at distances above 300 km and ratios $(V_s/V_c)^2 = 0.5 - 1$ it is very difficult to satisfy the recommendations of CCIR for the admissible magnitude of inter-channel noise. Recommendations are given for further experimental and statistical studies. There are 6 figures and 10 Soviet references.

SUBMITTED: February 4, 1960

Card 4/4

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PROSHCHELYKIN, A.M.

Preparation and use of manure-peat-soil composts. Zemledelie
25 no.8:93-95 Ag '63. (MIRA 16:10)

1. Glavnyy agronom uchebnogo opytno-pokazatel'nogo khozyaystva
"Karavayevo" Kostromskogo sel'skokhozyaystvennogo instituta.
(Compost)

PROSHIN, A.S., inzh.

Over-all mechanization of hoisting operations in assembling boilers
and turbines using assembly-line methods. Energ. stroi. no.2:24-29
'59 (MIRA 13:3)

1. Trest "Teploenergomontazh."
(Turbines) (Boilers) (Assembly-line methods)

PROSHIN, A.S., inzh.

~~Reconstruction of the main crane equipment and the new types of~~
projected assembly cranes. Energ. stroi. no.1:154-158 '59.
(MIRA 13:2)

1. Treest "Teploenergomontazh".
(Electric cranes)

14(2,6)

SOV/100-59-5-2/14

AUTHOR: Proshin, A.S. Engineer

TITLE: Trends of Development in the Mechanization of Construction of Thermal Power Plants

PERIODICAL: Mekhanizatsiya stroitel'stva, 1959, Nr 5, pp 4-9 (USSR)

ABSTRACT: The adoption of progressive construction methods, the utilization of prefabricated building material, the employment of prestressed reinforced concrete as well as the mechanization of construction operations - all tend to reduce the period of time required to complete the building of thermal power plants. Diagram 1 & 4 show the approved layouts of standard construction sites of a power station with a rational positioning of tower cranes and of gantry and semi-gantry cranes, permitting to carry out all preliminary assembly and final structural assembly, as well as erecting of machinery inside the plant. The temporary construction platform resembles a highly mechanized assembly work shop of a large plant. However, there are cases, when additional equipment is required for handling extra heavy structural parts, such as reinforced concrete columns weighing over 100 ton etc. The author recommends in this connection the use of 50-ton jib cranes with caterpillar drive and 75 ton tower cranes. Working in conjunction, two cranes of either kind have a combined lifting capacity of 100 to 150 ton. The article gives a brief resume of the advantages and drawbacks of these

Card 1/2

Trends of Development in the Mechanization of Construction of Thermal Power Plants
SOV/100-59-5-2/14
cranes, pointing out what changes are required to be made to make them
more adaptable to power station construction work.
There are 1 photo, 5 diagrams, 1 graph, 1 table and 1 Soviet reference.

Card 2/2

PROSHIN, Anatoliy Sergeyevich; ZBOROVSKAYA, R.L., inzh., red.; SHAGALOV, Ye.S., red.; VELITSYN, B.L., tekhn. red.

[Mechanization of the basic assembly operations in the construction of high-capacity thermal electric power plants] Mekhanizatsiia osnovnykh montazhnykh rabot pri stroitel'stve moshchnykh teplovykh elektrostantsii. Moskva, Orgenergostroi, 1960. 62 p.

(MIRA 14:11)

(Electric power plants—Design and construction)
(Hoisting machinery)

PROSHIN, F.Ye.

Methods of planning mining operations in the Krivoy Rog Basin mines. Gor.zhur. no.12:3-4 D '63. (MIRA 17:3)

1. Glavnyy marksheyder tresta Leninruda.

PROSHIN, F.Ye.

Methods of planning mining operations in the Krivey Rog Basin
mines. Gor.zhur. no.12:3-4 D 63. (MIRA 17:3)

1. Glavnyy marksheyder tresta Leninruda.

GEL'MAN, David Zakharovich; PROSHIN, Pira Yefimovich; LAVRINENKO, Vladimir Filippovich; RYZHOV, P.A., prof., doktor tekhn.nauk, retsenzent; LISHUTIN, B.G., gornyy inzh., retsenzent, red.; SHUSTOVA, V.M., red.izd-va; KARASEV, A.I., tekhn.red.

[Surveying operations in stoping] Marksheiderskie raboty pri
ochistnoi vyemke rudy. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1959. 231 p. (MIRA 12:5)
(Stoping (Mining) (Mine surveying)

PROSHIN, G A

TITLE: Books (Knigi)

121-2-19/20

PERIODICAL: "Stanki i Instrument" (Machine Tools and Tools), 1957,
No.2, p. 44 (U.S.S.R.)

ABSTRACT: Gurevich, B.G., "The strengthening of threads by surface rolling" (Uprocheniye rez'by obkatkoy), AN SSSR, Moscow, 1956, 14 pages.

Ivanov, G.P. et al., "The effects of the electric spark hardened layer on the wear resistance and the fatigue strength of components" (Vliyaniye sloya elektroiskrovoy obrabotki na iznosostoykost' i ustalostnuyu prochnost' detaley). "The improvement of the cavitation resistance of components by electric spark hardening" (Povysheniye kavitatsionnoy stoykosti detaley elektroiskrovym uprochneniyem). "The thermal stability of the electric spark hardened layer in tempering" (Teploustoychivost' sloya elektroiskrovogo uprochneniya pri otpuske), AN SSSR, Moscow, 1956, 24 pages.

Davidenkov, N.N. (Editor). "Problems of design, manufacture and service of springs" (Voprosy proyektirovaniya, izgotovleniya i sluzhby pruzhin). Collection of articles. Mashgiz, Moscow-Leningrad, 1956, 267 pages.

1/4 Pavlov, Z.P. et al. "Machine for the testing of cylindrical

Books (Cont.)

121-2-19/20
rollers for fretting fatigue" (Mashina dlya ispytaniya tsil-indricheskikh rolikov na kontaktnuyu ustalost'). "A recording instrument for the tracing of compression, tension and relaxation diagrams" (Registriruyushchiy pribor dlya zapisi krivikh szhatiya, rastyazheniya i relaksatsii), AN SSSR, Moscow, 1956, 15 pages.

Polyakov, D.G. and Meyerovich, I.M. "Machines for strength tests of gear couplings and universally hinged shafts" (Mashiny dlya isputaniya na prochnost' zubchatykh muft i universal'nykh shpindeley), AN SSSR, Moscow, 1956, 13 pages.

Sergeyev, N.A. "Improvement of the productivity of labour in fitting and assembly work" (Povysheniye proizvoditel'nosti truda pri slesarnykh i sborochnykh rabotakh), Mashgiz, Moscow-Leningrad, 1956, 288 pages.

Proshin, G.A. "The electric spark treatment of machine components in repair work" (Elektroiskrovaya obrabotka detaley mashin pri remonte), Mashgiz, Kiev, Moscow, 1956, 111 pages.

Anfimov, M.I. "Designs of reducing gears" (Konstruktsii reduktorov). Album. Mashgiz, Moscow-Sverdlovsk, 1956, 220 pages.

2/4

Books. (Cont.)

121-2-19/20

Belyayed, P.G., "A universal fixture for the centreless grinding of cylindrical components" (Universal'noye prisposobleniye dlya shlifovaniya tsilindricheskikh detaley bez tsentrov), AN SSSR, Moscow 1956, 15 pages.

Bykov, P.B. and Khankin, L.D., "The reduction of auxiliary time in lathe work (Sokrashcheniye vspomogatel'nogo vremeni pri rabote na tokarnykh stankakh), Mashgiz, Moscow, 1956, 167 pages.

Nadeinskaya, E.P., "Investigation of cutting tool wear by means of radio-active isotopes" (Issledovaniye iznosa rezhushchego instrumenta s pomoshch'yu radioaktivnykh izotopov), 2nd edition Mashgiz, Moscow, 1956, 164 pages.

Shal'nov, V.A. "High speed grinding of structural alloy steels" (Skorostnoye shlifovaniye legirovannykh konstruktsionnykh staley), Oborongiz, Moscow, 1956, 128 pages.

Petrusevich, A.I. et al., "The dynamic loads in gear transmissions with straight spur gears" (Dinamicheskiye nagruzki v zubchatykh peredachakh s pryamozubymi kolesami), AN SSSR, Moscow, 1956, 134 pages.

3/4

Books. (Cont.)

121-2-19/20

Gorbunov, E.K. and Kiselev, M.A. "Computation of the numerical strength of automatic screw machine setters (Raschet chislennosti naladchikov tokarnykh avtomatov), AN SSSR, Moscow, 1956, 13 pages.

"Fixtures for grinding work" (Prisposobleniya dlya shlifoval'nykh rabot). Collection of articles. AN SSSR, Moscow, 1956, 28 pages.

Raykher, S.A., "Safety engineering in heat treatment shops" (Tekhnika bezopasnosti v termicheskikh tsekhakh), Mashgiz, Moscow, 1956, 144 pages.

AVAILABLE:

4/4

PROSHIN, G.A., kand.tekhn.nauk; SOLNTSEV, L.A., kand.tekhn.nauk; RUDYAK,
~~N.I.~~, inzh.; FOMIN, L.D., inzh.

Cutting tools made of high-speed cast steel modified with
titanium. Mashinostroenie no.4:108-112 J1-Ag '62. (MIRA 15:9)

1. Khar'kovskiy avtodorozhnyy institut.

(Metal-cutting tools)

PROSHIN, GEORGIY ALEKSANDROVICH

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PROSHIN, GEORGIY ALEKSANDROVICH

ELEKTROISKROVAYA OBRABOTKA DETALEY
MASHIN PRI REMONTE (ELECTRO-SPARK
TREATMENT OF MACHINE PARTS) KIYEV,
MASHGIZ, 1956.

109, (3) P. ILLUS., DIAGRS., TABLES.
#LITERATURA": P. 108-110.

PROSHIN, G. A.

"Investigation of Some Questions on Increasing the Productivity of the Cutting Process During Machining." Cand Tech Sci, Moscow Automotive Mechanics Inst, Min Higher Education USSR, Moscow, 1955. (KL, No 15, Apr 55).

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

PROSHIN, G.A.

Mechanically fixed tool bits. Stan. 1 instr. 26 no.5:34 My '55.
(Metal-cutting tools) (MIRA 8:8)

PROSHIN, G.A.

Model for determining the angles of the front part of a cutter.
Stan. 1 instr. 25 no.10:27 0 '54. (MIRA 7:11)
(Cutting tools--Models)

PROSHIN, G. A.

USSR/Engineering - Measuring instruments

Card 1/1 Pub. 103 - 13/29

Authors : Proshin, G. A.

Title : ~~XXXXXXXXXXXXXXXXXXXX~~
A model measuring device for determining face angles of cutting tools

Periodical : Stan. 1 instr. 10, page 27, Oct 1954

Abstract : A narrative report is presented concerning the construction of a device for measuring face angles of cutting tools. Diagrams and an illustration depicting the above mentioned device are given.

Institution : ...

Submitted : ...

PROSHIN, Georgiy Aleksandrovich; DUMPE, V.E., kandidat tekhnicheskikh nauk,
retsensent; SOHOLE, M.S., redaktor; LYKHOTA, M.A., tekhnicheskii
redaktor

[Electric spark method for machining parts under repair] Elektro-
iskrovaia obrabotka detalei mashin pri remonte. Kiev, Gos. nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1956. 109 p. (MIRA 10:1)
(Metals--Finishing) (Electric spark)

POLYAK, M.S.; PROSHIN, G.A.

Electric arc fusing of a cutting tool. Stan. i instr. 24 no.6:21-23 Je '53.
(MLRA 6:7)
(Metal cutting)

PROSHIN, G.A.

Choosing correct cutter angles according to V.A. Kolesov's method. Stan.1
instr. vol. 24 no.9:14-15 S '53. (MIRA 6:10)
(Turning)

PROSHIN, I.G.

Method of artificial hatching of Ascaris larvae. Med. paras. 1 paras.
bol. no.2:126-132 Ap-Je '54. (MLRA 7:8)

1. Iz kafedry biologii Smolenskogo meditsinskogo instituta (sav.
kafedroy dotsent P.B.Gofman-Kadoshnikov)
(ASCARIS.

*Toxocara canis, hatching in artif. gastrointestinal
cond.)

Card
PROSHIN, I. G. , Master Biolog Sci— (class) "Certain features of the *Toxocara Canis*
biology in the hatching stage." (Hatching conditions, penetrability of cuticle by
dyestuffs, irritability), Moscow, 1956, 14 pp. (All-Union Inst of Helminthology
im. ^cAcad. K. I. ^KSeryabina), 120 copies.

(KL, No 41, 1957, p. 108)

USSR / Zooparasitology: Parasitic Protozoa.

G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 52973

Author : Proshin, I. G.

Inst : Smolensk Medical Institute

Title : Staining of Live Helminth Larvae by Dyes as a Method for
Determining Viability.

Orig Pub : Tr. Smolenskogo med. in-ta, 1957, 6, 183-198.

Abstract : It was established on *Toxocara canis* larvae that dyes penetrate into the bodies of the living organism during their lifetime (c.g., neutral red, methylene blue, cresyl blue) through their mouth openings, and little or nothing at all penetrates through the cuticle. The speed and intensity of staining dead larvae depend on the factor causing death. Strongly acting agents (high temperature, phenol) cause a rapid change in the cuticle which becomes penetrable to dyes. The staining of larvae destroyed without participation of strongly acting factors depends on how long ago the destruction occurred: as time passes, the cuticle becomes more

Card 1/2

USSR / Zooparasitology. Parasitic Protozoa.

G

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 52973

penetrable to dyes. In the application of the method of intravital staining for different live and dead larvae, in view of the weak penetrability of their cuticle the larvae should be kept in the dye for about one day.

Card 2/2

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PROSHIN, K

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IZ PRAKTIKI IZ ORIENTALISTOVA V SOVETSKOM SOYUZE (INVENTIONS IN
THE USSR) MYUNHEIM, 1956.

90 P. (INSTITUT IG IZUCHENIYA ISTORII I KUL'TURY SSSR. ISSLEDOVANIYA I
MATERIALY. SER. 2. NO. 37)

PROSHIN, K.T.

Peculiarities of primary destruction of a protein macromolecule. Khim.
i Fiz.Khim. Vysokomolekul. Soedineniy, Doklady 7-oy Konf. Vysokomolekul.
Soedineniyam, '52, 116-23. (MLRA 5:7)
(CA 47 no.16:8114 '53)

(PROSHINA, L.)

SELEZNEV, Sergey Ivanovich; PROSHINA, L., red.; DZHATIYEV, S., tekhn.red.

[Principles of journal-order form of accounting] Printsipy zhurnal'no-
ordernoi formy bukhgalterskogo ucheta. Moskva, Gosfinizdat, 1957.
54 p. (MIRA 11:2)

(Accounting)

GRENIN, I.; DANTSIG, B.; ~~PROSHIN~~, N.; SPRYGINA, L.; TISHIN, I.; KOSTINSKIY,
D.M., redaktor; ~~MOGINA~~, N.I., tekhnicheskiiy redaktor

[Saudi Arabia, Yemen, Iraq, Aden, Qatar, Kuwait, Trucial Oman]
Dudovskaya Araviia, Elemen, Irak, Aden, Katar, Kuveit, Dobovornyi
Oman. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 31 p. (MIRA 10:2)
(Near East)

PROSHIN, Nikolay Il'ich; KOSTINSKIY, D.N., red.; HOGINA, N.I., tekhn.red.

[Countries of the Arabian Peninsula] Strany Araviiskogo poluostrova.
Moskva, Gos.izd-vo geogr.lit-ry, 1958. 198 p. (MIRA 11:6)
(Arabia--Economic geography)

~~PROSEIN~~ P. mayor.

Battery chief. Sov.mor.15 no.22:8 N '55. (MLRA 9:6)
(Batteries)

100 AND 4TH CODES		1ST AND 2ND CODES		PROCESSES AND PROPERTIES INDEX	
PROSHIN, P. I.					
1448 METHODS OF COMBATING ATMOSPHERIC POLLUTION IN MOSCOW. Proshin, P. I. (Gigiena i Sanit. (Hyg. and Sanit.), Jan. 1951, 13-18). Administrative and practical measures are reviewed, including the following steps decided on by the Soviet government. (1) Reorganization of the research laboratory concerned with gas cleaning as a research institute. (2) Organization of a special section of the government sanitary inspectorate to deal with heating and cleaning plant. (3) Conversion of a factory to manufacture grit arresting plant. (4) During 1949-50 to equip all thermal power stations in Moscow with cleaning plant and arrangements for removal of dust by means of water. (5) To equip the twenty worst Moscow factories with plant for intercepting gases, ash and smoke. (6) Prohibition of important changes at Moscow undertaking without plans being passed by the government sanitary inspectorate. (7) Obtaining more complete combustion in engines of motor vehicles. (8) To equip all undertakings burning more than ten tons of fuel per day with grit arrestors. (9) Manufacture of the necessary cleaning equip equipment in Moscow factories. (10) to work at the maximum permissible concentrations of toxic substances					
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION					
100 AND 4TH CODES		1ST AND 2ND CODES		PROCESSES AND PROPERTIES INDEX	

PROSHIN, P. I.

USSR 600

Smoke Prevention

Measures of controlling contamination of the air in Moscow. Gor. khoz. Mosk.
no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

I.
PROSHIN, P., agrenom-entomolog.

Speed up the introduction of mechanical fumigation of granaries. Muk.-
elev.prom. 21 no.1:29 Ja '55. (MIRA 8:5)

1. Vsesoyuznoye ob'yedineniye Zagotserno.
(Fumigation) (Granaries)

PROSHIN, V.
PROSHIN, V., inzhener

Replacing the leather cup in refrigeration compressor membranes
stuffing boxes. Khol.tekh.32 no.2:71 Ap-Je '55. (MIRA 8:10)
(Compressors)

KITAYEV, A.V.; ALEYNIKOVA, I.N.; KOTLYAREVSKAYA, G.G.; PROSHIN, V.A.

Methodology for the measurement of the charge of aerosol particles.
Nov. med. tekhn. no.3:143-148 '65.

(MIRA 19:1)

ANDREYEVSKIY, Yevgeniy Yemel'yanovich; PROSHIN, V.I., otv. red.;
MIKHALEVSKAYA, V.I., red. izd-va; GARINA, T.D., tekhn. red.

[Economic geography; methodological aid. Program and exercises for control work with methodological instructions for carrying them out for students attending secondary specialized correspondence schools on the seventh grade level. Approved by the Central Methodological Office on Secondary Education, December 19, 1961] Ekonomicheskaya geografiya; metodicheskoe posobie. Programma, zadaniya dlya kontrol'nykh rabot s metodicheskimi ukazaniyami po ikh vypolneniyu dlya uchashchikhsya zaochnykh srednikh spetsial'nykh uchobnykh zavedeniy (na baze 7 klassov). Utverzhdeno Tsentral'nyim metodicheskim kabinetom po srednemu obrazovaniyu 19 dekabrya 1961 g. Moskva, Vysshaya shkola, 1962. 46 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.) Tsentral'nyy metodicheskii kabinet po srednemu spetsial'nomu obrazovaniyu.
(Economic geography)

PROSHIN, V. N.

AID P - 1931

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 11/31

Author : Proshin, V. N., Eng.

Title : ~~XXXXXXXXXXXXXXXXXXXX~~
Nomogram for the determination of the consumption
of steam with different from rated characteristics

Periodical : Energetik, 3, 17-18, Mr 1955

Abstract : In cases where steam characteristics widely differ
from rated magnitudes, the calculation of corrections
is cumbersome. The author presents a nomogram which
facilitates such calculations.

Institution: None

Submitted : No date

PROSHIN, V.N. inzhener.

Nomogram for computing steam consumption with undetermined parameters. Energetik 3 no.3:17-18 Mr '55. (MIRA 8:2)
(Steam flow)

FROSHIN, V.P.

Degeneration of the natural oscillations of a Cardan suspension
mounted pendulum-type transducer on an NIIIZM magnetometer.
Geomag. i aer. 2 no. 6:1138-1141 N-D '62. (MIRA 16:1)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya
radiovoln AN SSSR. (Magnetometer)

PROSHIN, V. P.

PROSHIN, V. P. -- "Investigation of the Operation of a Hydrodynamic Brake in Dropping a Poring Column." Azerbaydzhan Order of Labor Red Banner Industrial Inst imeni M. Azizbekov. Baku, 1955.
(Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

PROSHIN, V.P.

Theory and design of the equilibrium form of a hawser towed through water. Geomag. i aer. 2 no.2:357-362 Mr-Apr '62. (MIRA 15:6)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR. (Hydrodynamics)

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S/203/82/002/003/016/021
1025/1250

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AUTHOR: Nikol'skiy, G.M., Proshin, V.P. and Sazanov, A.A.

TITLE: A shadowless coronagraph with a stationary spectrograph of high dispersion

PERIODICAL: Geomagnetizm i Aeronomiya, v.2, no.3, 1962, 532-540

TEXT: The coronagraph described was constructed in the IZMIRAN. Its aim is to obtain spectra of the corona and of the chromosphere with a dispersion of 1.5Å/mm in the range of wave lengths 3600 - 12000 Å. The coronagraph consists of a mobile part ensuring a precise direction and focus of the objective and transmitting the rays into the stationary part - the spectrograph. The one-lens objective (250 mm/4000 mm) produces the Sun's image on a curved slit which can turn around the optical axis of the objective by 360°. A system of mirrors finally produces the image of the objective in the plane of a diffraction grid (600 lines/mm, area of 150x150 mm²). The spectrum obtained may be photographed directly or deflected by an auxiliary plane mirror to an electronic recording system. The coronograph

Card 1/2

S/203/62/002/003/016/021
I023/I250

A shadowless coronagraph...

graph will be tested in 1962, during the summer. There are 9 figures, 3 references.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln Akademii nauk SSSR (Institute of Terrestrial Magnetism, Ionosphere and Radiowave Propagation, Academy of Sciences USSR)

SUBMITTED: January 9, 1962

Card 2/2

9,6130

44457
S/203/62/002/006/014/020
A160/A101

AUTHOR: Proshin, V. P.

TITLE: The damping of natural oscillations of the pendulum pickup of a NIIZM-type magnetometer with a gimbal suspension

PERIODICAL: Geomagnetizm i Aeronomiya, v. 2, no. 6, 1962, 1138 - 1141

TEXT: An investigation is carried out of the problem of damping the natural oscillations of the pendulum pickup of a NIIZM-type magnetometer with a gimbal suspension provided with nonmagnetic 1000092 Я (Ya)-type bearings ($3 \times 10 \times 4$). The period of the gondola oscillations in respect to the longitudinal and transverse axes is on the average 15 - 25 sec. In addition to main forces a number of other forces will act on the pickup, which is set up in the gondola trailed by the ship. In the long run, the effect of these small forces will slightly improve the operational system of the pickup suspension. They are casual, their magnitude depends on the hydrodynamic properties of the gondola. Thus, with the given scheme of forces, a case is given of a solid which rotates around a stationary axis under the action of the disturbing mo-

Card 1/4

The damping of natural oscillations of the...

S/203/62/002/006/014/020
A160/A101

ments of the friction forces M_t , and of the gravity moment mg . The differential equation describing the motion of the pendulum pickup is

$$I_z \varphi'' = M_t - mg R \sin \varphi, \quad (1)$$

where I_z is the mass moment of the inertia of the pickup in relation to the suspension axis, m - the mass of the pendulum pickup, R - the arm of the mass center, and M_t - the moment of the friction forces in the suspension bearings. Taking into account possible inaccuracies when mounting the bearings into the instrument, it is assumed that $M_t = 0.8 \text{ Gcm} = \text{const.}$ for two bearings. Assuming that $I_z \approx mR^2$, the formula is obtained

$$I_z \varphi'' + \frac{g}{R} \varphi = \frac{M_t}{mR^2}. \quad (4)$$

The solution of the differential equation (4) is as follows:

$$\varphi = c_1 \sin \sqrt{\frac{g}{R}} t + c_2 \cos \sqrt{\frac{g}{R}} t + \frac{M_t}{mRg}. \quad (5)$$

The angular rotation velocity of the pendulum pickup is

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The damping of natural oscillations of the...

S/203/62/002/006/014/020
A160/A101

$$\varphi' = c_1 \sqrt{\frac{g}{R}} \cos \sqrt{\frac{g}{R}} t - c_2 \sqrt{\frac{g}{R}} \sin \sqrt{\frac{g}{R}} t. \quad (6)$$

It is found finally that

$$\varphi = \left(\varphi_0 - \frac{M_T}{mRg} \right) \cos \sqrt{\frac{g}{R}} t + \frac{M_T}{mRg}. \quad (8)$$

The magnitude of the initial deviation of the pendulum pickup φ_0 has also to be determined experimentally. To check the data obtained, an experiment was carried out. The gimbal suspension of the pendulum pickup with bearings, the friction moment of which does not exceed $2M = 0.8$ Gcm, may be successfully used for magnetometers, since the deviation magnitude of the pendulum will not exceed $4 - 5'$, and the period of damping is small in comparison to the period of the gondola oscillations. When operating with a magnetometer provided with mentioned pickup, the gondola oscillations should continuously be recorded. At some moment, they may be of casual character with high accelerations within short periods. Such oscillations may cause inadmissible pendulum deviations. I. A. Mayevskiy participated in preparing and carrying out the experiments. There are 3 figures.

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The damping of natural oscillations of the...

S/203/62/002/006/014/020
A160/A101

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln
AN SSSR (Institute of Terrestrial Magnetism, Ionosphere and Radio
Wave Propagation, AS USSR) ✓

SUBMITTED: April 27, 1962

Card 4/4

L 41326-65 EWT(1)/FCC/EEC(t) Po-4/P1-4 GW

ACCESSION NR: AP5005207

S/0203/65/005/001/0203/0204

AUTHOR: Kanonidi, Kh. D.; Proshin, V. P.

TITLE: Remote-control magnetograph with visual and photographic recording

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 1, 1965, 203-204

TOPIC TAGS: magnetograph; magnetic field, geomagnetic field variation

ABSTRACT: The author describes the design of a remote-control magnetograph with photographic record for recording variations in the earth's magnetic field. The basic idea is that used by Graf in his design of a similar instrument produced by the Askania Werke. The principal components of the magnetograph are: 1) a magnetic variometer with a mirror attached to a moving magnetic system; 2) two photocells connected in a differential circuit; 3) an incandescent lamp supplied by a stabilized current source; 4) a collector lens; 5) a pen-recording galvanometer. The instrument is shown schematically in Fig. 1 of the Enclosure. The light from the incandescent lamp 33, after passing through the collector lens 4, falls on the movable mirror of the variometer 1. Due to the special filament of the lamp, light is reflected from it in the form of a rectangular spot onto two photocells 2, connected in a differential circuit. The resulting signal is fed to the pen-recording galvanometer. In

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L 41326-65
ACCESSION NR: AP5005207

contrast to the Graf instrument, the signal from the photoresistors is fed to an M-25, M-17, or MG galvanometer for remote-control photographic recording. A new bridge circuit (Fig. 2) is also proposed. In the figure, A denotes the photoresistors, R, the carbon varistors, G, the pen-recording galvanometer, and B, the battery. The photoresistors are the FS-K2 (cadmium sulfide) type, with high sensitivity (not less than 2.500 $\mu\text{amp/lumen}$) and a low temperature coefficient ($-0.12\%/^{\circ}\text{C}$). The sensitivity of the FS-K2 photoresistors increases by almost 50% after aging for 300-400 hr, with no changes in the operation. They have an unlimited service time and are quite stable. The proposed recording method, using a single sensor, makes it possible to obtain a visual record of geomagnetic field variations with different automatic potentiometers. Also possible is photographic recording with three degrees of accuracy: approximate, normal, and highly sensitive (10-20, 1-2, and about 0.01-0.005 γ/mm , respectively). This magnetograph can be used for recording field variations and affords excellent possibilities of automating the analysis of recorded data. There is no need for the recording instruments to be nonmagnetic and no necessity for constructing darkened nonmagnetic rooms to house the instrument. Orig. art. has: 3 figures. [08]

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln
AN SSSR (Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave Propagation, AN SSSR)

Card 2/4

KANONIDI, Kh.D.; PROSHIN, V.P.

Remotely controlled magnetograph with visual and photographic recording. Geomag. i aer. 5 no.1:203-204 Ja-F '65.

(MIRA 18:4)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

LESKOVA, Ye.A.; PROSHIN, V.T.; STEPANOV, L.S.

Some characteristics of jet streams over the northwestern part of
the Pacific Ocean. Trudy Dal'nevost. NIGMI no.12:45-51 '61.
(MIRA 14:12)

(Jet stream)

34143

S/169/62/000/001/053/083
D228/D302

3,5140 (1041)

AUTHORS: Leskova, Ye. A., Proshin, V. T. and Stepanov, L. S.

TITLE: Some characteristics of j streams over the Pacific Ocean's north-western part

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 49, abstract 1B317 (Tr. Dal'nevost. n.-i. gidrometeorol. in-ta, no. 12, 1961, 45-51)

TEXT: The results are given for observations during the third voyage of the expedition ship "A. I. Voyeykov" from January 9 to February 22, 1960. The material relates to two periods. The first covers soundings from January 19 to February 9 during the ship's movement from north to south; their results are presented in a space-time section from 45°N, 160°E to 10°N, 150°E. The soundings from February 10 to 20 -- made during the ship's movement from south to north and presented in a section from 10°N, 150°E to 42°N, 133°E -- refer to the second period. In the first section a powerful subtropical jet stream with a wind speed of 150 m/sec is found

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34143

S/169/62/000/001/053/063
D228/D302

Some characteristics of ...

at a height of 12 km in the zone 30 - 33°N. It corresponds to an intense tropospheric front in which the temperature contrast reaches 2.4°/100 km at a height of 6 km and 3.3°/100 km at an altitude of 8 km. Another jet-stream nucleus with a wind velocity of about 70 m/sec at the center is observed at 22 - 24°N at a height of 13 km. This is likewise a subtropical jet stream which has weakened and moved southwards. The preserved but latitudinally small tropospheric-front zone, in which the temperature contrast equals 3.1° per 100 km, also corresponds to it. At a height of 7 - 11 km between the extra- and subtropical jet streams the wind speed decreases to 45 m/sec while keeping a westerly direction. The same decrease in the wind velocity, but with a change in the direction, is also observed to the south of the second subtropical jet. Starting from 20 - 24°N in the lower layers and from 19°N, too, at a height of 8 - 15 km south-westerly air streams change into southerlies and south-easterlies. In addition the velocity of the south-easterly flow grows with altitude, and a comparatively narrow zone of south-easterly winds with a speed of about 30 m/sec is found in

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S/169/62/000/001/053/083
D228/D302

Some characteristics of ...

the 13 - 16 km layer in the area of 16 - 17°N. This is a south-easterly jet stream, formed on the south-western periphery of the Pacific Ocean anticyclone; depending on the measure of the vessel's southwards movement and on its withdrawal towards the southern periphery of the anticyclone, the jet stream gave place to a purely easterly flow with a wind velocity of 10 - 12 m/sec. The lower boundary of the jet stream is situated at an average height of 5 km. In the tropospheric-front region, however, especially on the first section, the descent of the lower boundary of the jet stream to a height of 2 - 3 km was observed. The growth of the wind speed to the heart of the jet is noted from the 5 km level. The unusual intensity of the subtropical jet stream is mentioned. This is explained by the development of a deep cyclone in the observational zone, with pressures of down to 946 mb at its center. Such an intense process over the ocean was also accompanied by the abrupt meridionality of the air streams above the land. This in its turn promoted the formation of an unusually intense high-altitude frontal zone and a powerful subtropical jet stream

Card 3/4

Some characteristics of ...

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S/169/62/000/001/053/083
D228/D302

which has not been considered above. 5 references. [-Abstractor's
note: Complete translation.]

+

Card 4/4

PROSHIN, V.T.

Graphoanalytic method of processing ship rawinsonde observations. Trudy Dal'nevost. NIGMI no. 19:185-190 '65
(MIRA 19:1)

PROSHIN, V.T.

Minimum atmospheric temperature in the upper Troposphere above
the Pacific Ocean. Meteor.i gidrol. no.12:25-26.D '62.

(MIRA 15:12)

1. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorolog-
icheskiy institut.

(Pacific Ocean—Atmospheric temperature)

(N) L 12131-66 EWT(1)/FCC GW

ACC NR: AT5028664

SOURCE CODE: UR/2633/65/000/019/0185/0190

AUTHOR: Proshin, V. T.

ORG: Far Eastern Scientific Research Hydrometeorological Institute, Vladivostok
(Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut)

TITLE: A graphic-analytical method of processing marine radio-wind observations

SOURCE: Vladivostok. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy, no. 19, 1965. Voprosy aerologii i sinopticheskoy meteorologii (Problems in aerology and synoptic meteorology), 185-190

TOPIC TAGS: wind direction, weather forecasting, radiosonde, ship navigation, research ship instrumentation, wind velocity, wind meter

ABSTRACT: A graphic-analytical method for processing shipboard wind observation was developed by L. S. Stepanov and V. T. Proshin. The method is more accurate than the graphic method using a Molchanov circle (especially with soundings at heights above 12 km, taken from a moving ship) and is faster than the analytical method. It has been used since 1960 on the research ships A. I. Voyeykov and Yu. M. Shokal'skiy. The radio-wind observations are taken with the help of a RKZ-1 meteorological radar system. A modified 50-cm slide rule (a sine scale marked with azimuth angles replaces the square scale on the front face of the slide) is used to calculate the horizontal

Card 1/3

UDC: 551.557:551.501

L 12131-66

ACC NR: AT5028664

recession values. A circle with a pivoted graduated arm (see Fig. 1) has 4 scales.

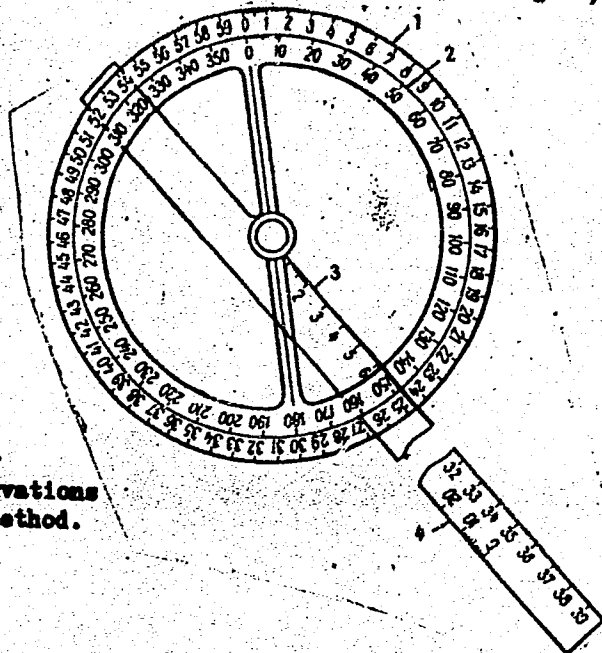


Fig. 1. Circle and arm for processing radio-wind observations by the graphic-analytical method.

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ACC NR: AT5028664

An outer scale (1) is marked in azimuth angle and an inner scale (2) in degrees for measuring wind direction. The inner edge of the arm (3) carries a 40-cm scale for plotting the ship's course and horizontal projections of the radiosonde. Scale (4) is used for determining wind speeds up to 150 m/sec. This method can also be used at fixed stations equipped with the RKZ-1 system or with a Malachite radiotheodolite having a range-finding attachment. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 006

HW

Card 3/3

L 39558-66 EWT(d)/EEC(z)-2 3D
ACC NR: AP6008779 SOURCE CODE: UR/0115/66/000/001/0049/0051

AUTHOR: Petukhov, V. I.; Proshin, Ye. M.

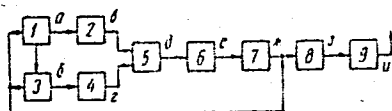
ORG: Ryazan' Radiotechnical Institute (Ryazanskiy radiotekhnicheskiy institut)

TITLE: Radiotelemetric system for deformations in moving parts

SOURCE: Izmeritel'naya tekhnika, no. 1, 1966, 49-51

TOPIC TAGS: strain gage, telemetry system, transistor/ RTTS-1 telemetry system

ABSTRACT: The development of a new(RTTS-1) telemeter is reported which is intended for measurement of strain in various moving parts of machines. A transistorized transmitter (of 150 cm³ size) mounted on a moving part comprises (see figure) strain-measuring bridge 2 supplied by pulses from generator 1. The



bridge signal goes to amplifier 5 and is turned into square-pulse duration by converter 6. The back of the resulting pulse is re-formed into a short pulse by generator 7 and, together with the pulses

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UDC: 681.2.083.7:620.17

L 39558-66

ACC NR: AP6008779

developed from generator 1, controls (via modulator 8) the operation of r-f generator 9. In the intervals between the pulses from generator 1, generator 3 operates and sends its pulse to "control" bridge 4. The pulse-phase modulation and low-sensitivity receiver ensure good noise rejection of the telemeter system. An electromagnetic oscillograph is used as a final instrument. The system is claimed to be more reliable than contact-type systems and to have an error of 2% (less oscillograph). Strains in a diesel-electric locomotive were measured by this system. Orig. art. has: 4 figures and 7 formulas.

SUB CODE: 09 / SUBM DATE: none

Card 2/2 *h/s*

E 10207-61

ACC NR: AP6029895

SOURCE CODE: UR/0413/66/000/015/0056/0056

INVENTORS: Kolomiyets, O. M.; Proshin, Ye. M.

ORG: none

TITLE: Electronic time interval length meter. Class 21, No. 184341

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 56

TOPIC TAGS: time interval counter, time measurement

ABSTRACT: This Author Certificate presents an electronic time interval length meter containing a multidigit counter, a controllable reference frequency oscillator, a digital indication circuit, and a control circuit. To decrease the instantaneous relative error in measuring the length of single and periodic time intervals in a wide range of variation, the device contains an overflow pulso counter connected to the output of the main counter. The output of the overflow counter is connected through a decoder to the controlling inputs of the reference frequency oscillator and to the decimal point position indicator of the digital indication circuit. The device also contains a delay circuit whose input is connected to the output of the main counter and whose output is connected to the one record input of the most significant digit of the main counter.

SUB CODE: 09/
Card 1/1

SUBM DATE: 12Apr65

UDC: 621.317.787

PROSHIN, Yu.G., veterinarnyy vrach

Anthelmintics in the treatment of Echinocasmus infestation
of swine. Veterinariia 39 no.6:37-38 Je '62 (MIRA 18:1)

1. Astrakhanskaya oblastnaya veterinarno-bakteriologicheskaya
laboratoriya.

PROSHINA, A.D.

Comparative characteristics of the fertility of 5 generations of
mice from irradiated males. Med. rad. 6 no.1:41-48 '61.

(MIRA 14:3)

(RADIATION--PHYSIOLOGICAL EFFECTS)

(FERTILITY)

BAYADIN, L.N.; LOBUSEV, A.N.; PROSHINA, K.A.; SMIRNOVA, A.A.; SHELEPINA, L.A.

Experimental data on plastic arterial surgery in case of an infected wound; preliminary report. Trudy 1-go MMI 16:139-146'62.
(MIRA 16:6)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. V.V.Kovanov) Pervogo Moskovskogo ordena Lenina meditsinskogo instituta.
(ARTERIES—SURGERY) (SURGERY, PLASTIC)

PROSHINA, I.

KOSHELEV, Viktor Ivanovich; TEREKHIN, N., otvetstvennyy redaktor: PROSHINA, I.
redaktor izdatel'stva; LEBEDEV, A., tekhnicheskii redaktor

[Financing of capital investments by municipal banks; a practical
manual] Finansirovanie kapital'nykh vlozhenii kommunal'nykh bankami;
prakticheskoe posobie. Moskva, Gosfinizdat, 1957. 151 p. (MLRA 10:9)
(Banks and banking) (Finance)

1957-1958, L.

FILIPPOV, Ivan Ivanovich; SOKOLOV, Aleksey Grigor'yevich; KHEYYETS, S.,
otvetstvennyy redaktor; PROSHINA, L., redaktor izdatel'stva;
DZHATIYEV, S., tekhnicheskiy redaktor

[Financing city and district enterprises] Finansirovanie gorodskogo
i raionnogo khoziaistva. Moskva, Gosfinizdat, 1957. 173 p.
(Finance) (MLRA 10:9)

KOBYLIN, Vasiliiy Andreyevich; SAMOYLOV, V., otv.red.; PROSHINA, L.,
red.izd-va; TELEGINA, T., tekhn.red.

[Turnover tax on industrial goods] Nalog s oborota po
promyshlennym tovaram. Moskva, Gosfinizdat, 1958. 165 p.
(MIRA 13:1)

(Sales tax)

PROSHINA, L.

KRICHEVSKIYY, Boris YUR'yevich [deceased]; BASHILOVA, Zineviya Andreyevna;
LYUBAN, Semen Borisovich; MITEL'MAN, Ye., otvetstvennyy redaktor;
PROSHINA, L., redaktor izdatel'stva; DZHATIYEV, S., tekhnicheskiy
redaktor.

[Control of expenditures for wages in industry] Kontrol' za raskhoda-
vaniem fondov zarabotnoi platy v promyshlennosti. Moskva, Gosfinizdat,
1956. 149 p.

(MLRA 10:4)

(Wages)

PROSHINA, M.I.
SAVEL'YEVA, N.T.; PROSHINA, M.I.

Skill of an artist and the requirements of every day life. Tekst.
prom. 17 no.5:35-40 My '57. (MLRA 10:6)
(Textile design)

PROSHINA, N.I.

Hydrography of the Biya-Chumysh forest steppe. Izv. Alt. otd.
Geog. ob-va SSSR no.5:98-99 1965. (MIRA 18:12)

1. Chitinskiy pedagogicheskiy institut.

PROSHINA, N.I.

USSR / General Topics. Methodology, History, Scientific Institutions and Conferences, Instruction, Bibliography and Scientific Documentation.

A-1

Abs Jour : Ref Zhur - Khimiya, No 5, 1958, No 13424
Author : Z.F. Golikova, N.I. Proshina.
Inst : -
Title : Production Practice of Students in Electroplating Shop
Orig Pub : In symposium: O politekhn. obuchenii v shkolakh Mord ASSR. No 3, Saransk, Mord. kn. izd-vo, 1956, 60 - 72
Abstract : From the experience of students of X classes carrying out practical work.

Card : 1/1

MOISEYEV, Ye.A.; PROSHINA, R.A.; REYNER, M.M.

Interrelationships of the cerebellum and the thyroid gland. Biol.
eksp. biol. i med. 56 no.11:35-38 0 [i.e. N] '63. (MIRA 17:11)

1. Iz Instituta evolyutsionnoy fiziologii imeni Sechenova (dir. -
chlen-korrespondent AN SSSR Ye.M. Kreps) AN SSSR, Leningrad. Pred-
stavlena deystvitel'nyy chlenom AMN SSSR D.A. Biryukovym.

PROSENA, T. T.

"Morphology of the Human Lower Maxillary Nerve." Cand Med Sci,
Chair of Normal Anatomy, Voronezh State Medical Inst, Voronezh, 1955.
(KL, No 10, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

L 1680-66 EWT(d)/RED-2/EWP(1) LJP(c) GG/BB
 ACCESSION NR: AP5021373

UR/0120/65/000/004/0232/0233
 621.373.431.2

AUTHOR: Proshin, Ye. M. 44

TITLE: Voltage-to-pulse frequency converter 166, 44

29
 6

SOURCE: Pribery i tekhnika eksperimenta, no. 4, 1965, 232-233

TOPIC TAGS: voltage to code converter, transistorized circuit

ABSTRACT: The circuit for a voltage-to-pulse-frequency converter is presented. The circuit has the following desirable characteristics: zero output frequency corresponds to zero input voltage, very small dead zone ($\sim 0.5\%$), high sensitivity (up to 20 kc/v), high linearity ($\pm 0.3\%$), high frequency stability, high input impedance, well-shaped output pulses (width - 10 μ sec, rise time ~ 0.2 μ sec), and the converter can be used as a temperature-to-pulse-frequency detector. Orig. art. has: 2 diagrams. [04]

ASSOCIATION: Ryazanskiy radiotekhnicheskiy institut (Ryazan Radio Engineering Institute) 44

SUBMITTED: 31 Dec 64

ENCL: 00

SUB CODE: EC

NO REF SOV: 001
 Card 1/1

OTHER: 000

ATD PRESS: 4093

PROSHINA, Yu.A.

Specific desensitization in pollinosis; results of treating 60 patients. Vest. AMN SSSR 19 no.10:69-74 '64.

(MIRA 18:3)

1. Nauchno-issledovatel'skaya allergologicheskaya laboratoriya AMN SSSR, Moskva.

PROSHINA, M.I.

Determining the volume of gas pipeline operations. Gaz. delo
no.9:50-52 '63. (MIRA 17:12)

1. Institut kompleknykh transportnykh problem pri Gosplane SSSR.

PROSHINA, Z.V.; REZUKHINA, T.N.

Determination of heats of formation of manganese and nickel
tungstates. Zhur.neorg.khim. 5 no.5:1016-1021 My '60.
(MIRA 13:7)
(Heat of formation) (Manganese tungstate)
(Nickel tungstate)

PROSHINA, Z.V. (Moskva); REZUKHINA, T.N. (Moskva)

Heat capacity of Ni_4W at high temperatures. Zhur. fiz khim.
36 no.1:153-155 Ja '62. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova
(Intermetallic compounds)
(Heat capacity)

REZUKHINA, T.N.; PROSHINA, Z.V.

Determination of the thermodynamic properties of alloys by the EMF method using a solid electrolyte having anion-oxygen conductance of 1 - *CozW. Zhur. fiz. khim.* 36 no.3:637-640 (MIRA 17:8)
Mr 162.

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

PROSHINA, Z.V.; REZUKHINA, T.N.

Heat capacity of Co_7W_6 and Fe_7W_6 at high temperatures. Zhur.fiz.
khim. 36 no.8:1749-1750 Ag '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Tungstates—Thermal properties) (Intermetallic compounds)

PROSHININA-GRANOVSKAYA, V.

co

Nature of electrical conductivity of solid dielectrics in strong electrical fields. II. Mica at high field strengths. V. Prishinina-Granovskaya. *Physik. Z. Sowjetunion* 11, 300-80 (1937) (in German); cf. preceding abstr. The addnl. cond. which is found at high field strengths has an electronic character at all temps. At low temps. the cond. is predominantly by electrons. At high temps. the cond. has a mixed nature. The cond. by ions is bipolar and occurs through ions of Al and O. The transport nos. are functions of the temp. The analysis of the dependence of the electronic cond. on the field shows that for mica in weak fields and at low temps. ionic conduction predominates. Harold Gershinowitz

2

4/2

4/2

Cyclotron, A. S. Maslov. U.S.S.R. 69,550, Oct. 31, 1947. M. H.

PROSHINSKIY, M.K.

New method for testing electric starting devices of motor vehicles.
Avt.prom. 28 no.11:32-34 N '62. (MIRA 16:1)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.
(Automobiles--Starting devices--Testing)

Proshkin, A. A.

I-16

USSR /Chemical Technology. Chemical Products
and Their Application

Treatment of natural gases and petroleum.
Motor fuels. Lubricants.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31920

Author : Proshkin A.A., Yevdokimova A.M.

Title : Reducing the Expenditure of Sulfuric Acid in
Sulfuric Acid Alkylation

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Abstract: A formula is proposed for determining the con-
centration of spent sulfuric acid, in the pro-
cess of sulfuric acid alkylation, wherein it is
used as a catalyst, and also an accelerated
laboratory method for determination of organic

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residue contained therein. It is shown that corrosive action of samples of spent H_2SO_4 having a concentration of 74.0%, 80.3%, 85.4% and 87.2%, is considerably lower than that of fresh technical acid of the same concentration, if the concentration is calculated in accordance with the previously utilized formula. If concentration of the acid is determined according to the formula proposed by the authors, taking into account the organic portion, the corrosive activity of spent acid corresponds to the activity of fresh acid of the same concentration.

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